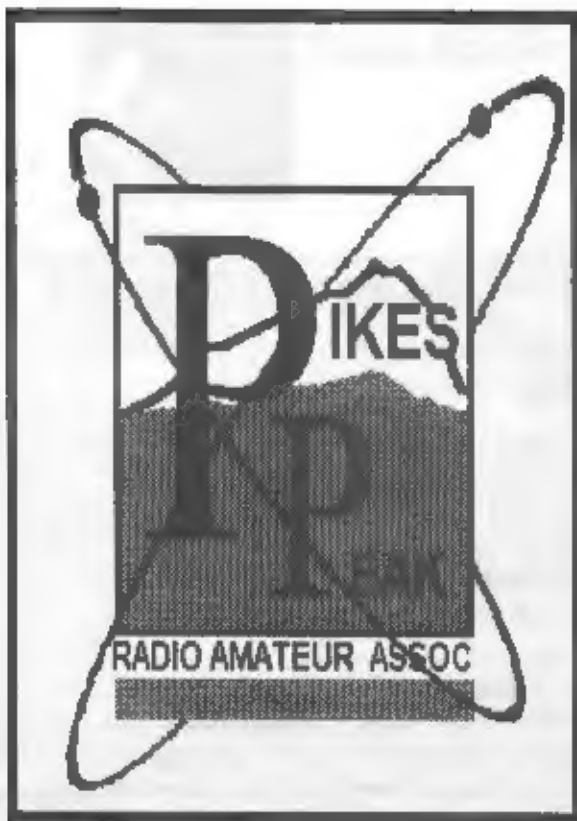




<http://www.qsl.net/ppraa>

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Pikes Peak Radio Amateur Association, Inc.
P.O. Box 16521
Colorado Springs, Colorado 80935



May 1998

FIRST CLASS MAIL



O-Beat



Pikes Peak Radio Amateur Association Officers and Directors

President: Greg Tarcza WA2OOD 997-7864
 Vice-Pres: Les Borst KC8NC 634-3996
 Secretary: ANY VOLUNTEERS
 Treasurer: Rob Roller HTLV 282-9284
 O-Beat Ed: Bill Pierce KD8JU 550-0406
 *Board Mbr: Bill Petty N8NIX 532-1439
 *Board Mbr: Ron Deutsch NK8P 593-8352
 *Board Mbr: Aaron Pelouse KD6FLM 282-9715
 *Board Mbr: Jeff Boyes N8LJH 225-5783

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 jboyes@usa.net

*This Officer/Director is completing the second year of the two-year term to which they were elected.

The O-Beat is published monthly in the interest of the members of the Pikes Peak Radio Amateur Association, Inc., PO Box 16521, Colorado Springs, Colorado 80935. For membership and subscription information see the last page of this publication. Monthly advertising rates: Full page, \$48; Half page, \$24; Quarter page, \$12; Business card, \$6. These rates are billed quarterly. Send your ad requests and payments to: PPRAA, PO Box 16521, Colorado Springs, Colorado 80935.

Check out the PPRAA page on the World Wide Web! Go to: <http://www.aol.net/ppraa>

Deadline for submission of articles or advertisements is the Monday after Board meeting. Submissions are accepted in any form. Articles should be sent directly to the O-Beat Editor (email to kd8ju-1@juno.com is preferred.) Permission is granted to reprint articles provided credit is given to both the author and this publication.

License Exams

License examinations sponsored by the Pikes Peak Radio Amateur Association are held on the 2nd Saturday of February, April, June, August, October, and December.

Testing takes place at 9 A.M. at:

Denver Technical College
 225 South Union
 Colorado Springs

Everyone is seated on a walk-in basis. Those wishing to take an exam should bring the following items:

1. \$6.25 (preferably a check/money order made out to ARRL/VEC) for any exam other than element 1A or 2.
2. Picture identification.

3. A copy of your current amateur radio license, and/or a copy of any examination credit you have, as well as the signed original. We keep the copies.

4. A pen, pencils, and a calculator if you need one.

If you have any questions, call Erik Mugele, KGØXE at 596-5345. Please do not call Denver Technical College.

Committee Chairpersons/Contacts

O-Beat Editor	Bill Pierce	KD8JU	550-0406
Activity	Reesay Boyes	KA8ROY	229-5703
Auditing	Any Volunteer's?		
Asset	Mike Stansberry	KØTER	636-1290
Historian	Jody Borst	KA8ROZ	634-3995
Interference	Bill Petty	N8NIX	532-1439
Membership	Les Borst	KC8NC	634-3995
Programs	Aaron Pelouse	KD6FLM	282-9715
Publicity	Ron Deutsch	NK8P	593-8352
Public Service	Mike Stansberry	KØTER	636-1290
Swapfest '98	Carlos Caro	KBØREI	632-1569
Technical Instruction	Linda Hedges	KBØRKW	520-9238
VE Testing	Erik Mugele	KGØXE	596-5345

Other Organizational Liaisons

ARES Liaison	Mike Stansberry	KØTER	636-1290
CCARC Liaison	Ron Deutsch	NK8P	593-8352
RACES Liaison	Bryan Curl	NØLUF	575-8400

Reminder — General Membership Meeting

The next General Membership meeting of the Pikes Peak Radio Amateur Association will be on the second Wednesday of this month at the Irving Middle School 1702 N. Marney. The meeting will start at 1900.

ANNOUNCEMENT

May Meeting

May PPRAA meeting place will be back at Mt Calvary Lutheran Church 1318 N Circle at 1900. All are welcome to come and observe and/or participate. KØSU, Rick will talk about 6 meters.

ANNOUNCEMENT

Next Board Meeting

Next board meeting will be at QTH of Les KØNC on May 18th. Directions forthcoming via email.

PPRAA Swap Fest In MAY

Directions to the PPRAA Swapfest from our web page:

From I-25: Take Exit 146 (Garden of the Gods.) Go East (the road name changes to Austin Bluffs Parkway.) You will pass the University of Colorado campus and cross Academy Blvd. Proceed about another mile to Barnes Road and go east (Austin Bluffs Pkwy is northbound at this point.) Doherty High School is on the right a few hundred feet from Austin Bluffs Pkwy, just past the Skate City. Enter the second parking lot on right. (After the school sign.)

73/Rob
N7LV

WANTED

If you know the location or have information of the whereabouts of the following: please contact an officer or bring to the next Club meeting.

(1). QSL Display Board - Cardboard display with QSL cards attached - Last seen at the January meeting.

(2). Club Banner- 3' x 3' blue cloth with club logo - Trimmed with yellow fringe - Last seen at the East Library Club Display.

OM/YL

LUNCH BUNCH

Due to heavy snowfall last months lunch bunch was cancelled. So on the 21ST of May the Hometown Buffet at the Austin Bluffs Shopping Center will be the location of the next Lunch Bunch.

We meet at noon, but some arrive earlier. Everyone is cordially invited!

If you have a question our phone is 471-9965.

73

WAØMNL, Rosie

General Membership Meeting

April 08, 1997

Meeting called to order by president WA2OOD at 1900. It was reported that Rob's N7LV mother-in-law passed away April 3rd.

Minutes of March General and Board were approved with following changes to Board meeting. May program is six meter by Rick KØSU only. Doug WØMHP won the foxhunt. It was Colorado QRP club not CCARC that was to meet on day of our swap fest May 2nd. It was Colorado QRP members that would hold forums on day of swapfest to cover cost of room.

President WA2OOD read letter of resignation from Al NØCMW as secretary effective 04-09-98.

Committee reports:

Activity Renay: KAØROY reported that April's Activity would be Ham and Eggs activity as reported in April ØBeat.

Treasurer's report:

It was read by WA2OOD for period ending 3/31/98. Balance across all accounts is \$4239.11. Income of \$186.00 from memberships, \$389.75 from

combination of auction, donations from sale of items at hamfest (explained by WA2OOD) and sale of trailer ball to ARES and \$4.00 from ARRL commissions. Expenses of \$100.00 from hamfest door prizes and \$38.00 for inventory labels. Net incoming cash flow is \$441.75.

Public services:

Mike KØTER nothing.

Assets:

Mike, KØTER, inventory did not happen. We need a bylaws change so not so many people need to be present for an inventory, and if you are signed up for something and loan it out get a signed receipt for it and notify him.

Field Day:

Mike KØTER he explained what field day was about and this year a new way of point accounting. Field day will be same place as last year at H.P. picnic area, the 4th full weekend in June, this year June 27-28. Let him know if you are going to camp out overnight. We need a coordinator for Sunday breakfast if we are going to have one.

CCARC:

Ron NKØP last meeting held on March 28th, discussion on interference of cross-band radio in Denver area. Brought up about having Rocky Mountain Division conference in year 2000, in Colorado Springs, next meeting of CCARC will be in Colorado Springs 26 September at Falcon police station on North Academy. We need someone to put on a short program.

Historian:

Jody KAØROZ, history of PPARA on our web page, she needs a list of officers prior to 1937.

Interference: Bill NØNJX nothing.

Membership: Les KCØNC is coming along fine.

Programs: Jeff NØJLH program for May six meters by Rick, KØSU, need more input on programs.

Publicity: Ron NKØP nothing.

Swapfest: Phil KC5LXC, Hall is rented and rooms for programs. Food same vendor as last year. Flyers out over town. Other point man for swapfest is Bob KIØGF.

Education:

Technical was read for Linda KBØRKW by WA2OOD as she was snowed in. Code only classes will be starting up next Monday evening April 13th at Tesla Society at 7pm MDT. Classes will be on Monday and Wednesday evenings for six weeks. Cost of class will be \$20.00 and basically this is the cost of materials for code oscillator, which will be built in class. Contact Linda Hedges KBØRKW@juno.com or Dave ekdave@earthlink.net or 719-594-9201.

VE Testing:

Rick KØSU this Saturday April 11th at Denver Technical College.

ØBeat:

Bill KDØJU nothing but do have extra copies with him.

OLD Business:

John, KO6TN, has sent rough sketch of our needs for the convention in year 2000 to convention bureau.

New Business:

Rick, KØSU, brought up about a club project of building a direction finder from a kit. He and Ron NKØP have field tested this kit. This is minus the antenna kit parts which would be about \$10.00. He and Ron would buy parts and make up the kits. Members decided they wanted to do this. So Rick, KØSU, was taking money for kits.

Announcements:

Rosie had a lady contact her she had a 1930 Zenith Radio for sale, Rosie will get more info on this contact her if interested.

Doug, WØMHP, said Australia was coming in on 10 meters, 10 meter net at 28.385 Sunday night at 19.30 local, Six meter net on Thursday night 50.110 at 19.00.

Hammy award was given to Austin, W6RML, by Doug for Dave, NØUVR.

Next board meeting will be at QTH of Ron NKØP at 19.00 April 13th. The program tonight was presented by Nick, KG5N, Nick. It was on kit building. He had a nice slide presentation and very interesting talk on kit building it was enjoyed very much by all.

Meeting adjourned at 21.10.

Submitted by Al NØCMW secretary.

BOARD MEETING

April 13th, 1997

Board meeting on April 13th at QTH of Ron NKØP. Present Doug WBØMHP, Ron NKØP, Bill KDØJU, Moe WBØRTF, Al NØCMW, Bill NØNJX, Les KCØNC, and JODY KAØROZ. Doug WBØMHP was sitting in for Aaron KD6FLM at tonight's meeting.

Ron made a motion to cover the cost of a publicity flyer to be passed out at swapfest and other events explaining about the PPRAA not to exceed \$100.00 motion second by Bill NØNJX, motion carried unanimously.

Doug WBØMHP brought up that some members were confused on who is running public service events and that Field Day is a PPRAA event and that events concerning the club was not being brought up at club meeting. Quite a lengthy discussion on this matter was held. The board will try to be sure all things concerning events of the club are brought up in a timely matter, and for club members to feel free to bring up their concerns to board members at club meetings or any other times. We need to let new hams know that the club exists, by advertising club on repeaters and at classes. One possibility was to continue the discussion of things on a simplex frequency after the Elmer net on Monday nights but do not want to distract from the traffic net. Les and Doug volunteered to chair this topic and to further look into it. A motion was made by Les and second by Doug that during the swapfest any one signing up as a new member or renewing their membership

would be given 5 raffle tickets. The next board meeting will be held on May 18th at QTH of Les KCØNC. If any one knows who has the QSL board and the PPARRA blue flag please let one of board members know. Meeting adjourned at 20.30.

Submitted by acting Secretary Al NØCMW.

Treasurer's Report

for period ending 04/30/98

Income - Expenses = Gain/(Loss)

\$579.75 - \$138.00 = \$441.75

For more details, please contact me.

Sorry for not making the past couple of club meetings, but the situation at home have been a little busy with my mother-in-law becoming ill, then succumbing to pneumonia on April 3. I do plan on attending the May meeting.

I thank the rest of the board members for filling in with reporting and collecting memberships in my absence. I was also out of town on business from April 13 thru 24, so if you have sent me e-mail or voice mail during that period, I should be answering it very soon.

Rob
N7LV

For Sale: DIT & BITS

For George, WBØDUM

- Icom 211 All Mode 2 Mtr. Trans.
- Mast, Telescoping 40 ft.
- 2 Meter Beam, 16 ele, 21ft boom
- KLM140watt 2 mtr. Amp.
- 8" Wall mount brackets
- Misc. computer boards
- Daiwa DP 830 Digital SWR/PWR Meter
- Static Equalizer P/S
- 4 position power strip
- Scanner Antenna
- Misc. lengths RG8/U coaxial Cable 17-78 feet

Contact George for prices and other info at 495-3983

Club Project

Simple Direction Finder

Rick Brown KØSU
KØSU@kkvtv.com

At the last PPRAA meeting I spoke about a simple direction finder I thought would make a good club project. Ron and I used the direction finder on the last two Fox Hunts with good results. At the time many people sounded interested in building this direction finder. About 20 people were interested, and I currently have money from 10 people who were ready to start as soon as we could. The club Board of Directors has endorsed the project and has asked Ron, NKØP and myself to proceed with this.

The project was originally in the May 1993 issue of QST and consists of a circuit board with about 25 active components on it. Two antenna elements are connected to the board to provide signals that are rapidly switched by the direction finder. The output of the direction finder is connected to your HT or any FM receiver. The direction finder puts a 1000 Hz tone on the received signal which is nulled out when the antennas are broadside to the hidden transmitter.

I have checked on the cost of the circuit board and the components and believe I can get them for \$10 per unit. Anyone interested in doing this who has not already given me money for a unit needs to contact Ron, NKØP, at 593-8352. For the \$10 you will receive a circuit board and all components to go on the board. You will need to provide a 9 volt battery, number 12 or 14 gauge wire for the antenna elements, some mounting hardware, and some method of mounting the board to a handle (wood strips, PVC pipe, paint roller handle, etc.).

Right now I plan on ordering the boards and components for 25 units. Please contact Ron as soon as possible to sign up for one of these units. Once we have everything in hand you will be contacted and we will give them out at a club meeting. Our intention is

to have an Elmer day to help those who have never put together a project like this. If there is enough interest, we may try a second order of boards and components.

If you have questions, you may contact Ron, or send me an e-mail at the address above. I am really excited about doing this project with the club members and hope this type of activity will continue.

MARCH OF DIMES

Saturday April 25, 1998 started out as a cloudy and cool day. About 7:30 in the morning the local "Hams" started to arrive at the park on the North-West side of Prospect Lake. When all of the volunteer radio operators were present, the assignments for the days event were given out.

Soon the airways were active with the sounds of preparation as everyone reached their check points.

When the walk started, everyone soon settled in and for the duration everything went without incident.

After the walk, all were invited to a fine lunch before returning home.

Due the possibility of missing someone, I will only report that around 19 or 20 Hams were involved in the event.

There has to be someone to organize an event such as this one. We were fortunate to have Dennis NØABC as our leader this day. A big "Thanks" goes to Dennis for his time and hard work.

It is always gratifying to see the members of The Pikes Peak Radio Amateur Assoc. Providing their skills and talents in the name of public service.

73's
A Ham

SUPERFEST

Saturday May 30, 1998

Doors Open at 8:00 AM

Sponsored by NCARC

Vendor Setup at 6:00 AM

ARRL SANCTIONED

ARRL SANCTIONED

Great Prizes

Grand Prize:

Yaesu FT-51R Dual Band HT

2nd Prize:

Kantronics KPC-3+ Packet Modem

Admission: \$3.00

Tables: \$8.00

(includes 1 admission)

Setup available at

5:00 P.M. on Friday

Night for Commercial Exhibitors.

Overnight Security provided.

Wheelchair Accessible

Make Checks to N.C.A.R.C.

SEND TO:

Jeanene Gage NOYHY

1533 1/2 9th St.,

Greeley, CO 80631-3113

PH:(970) 351-7327

Registered VE Exams

CONTACT:

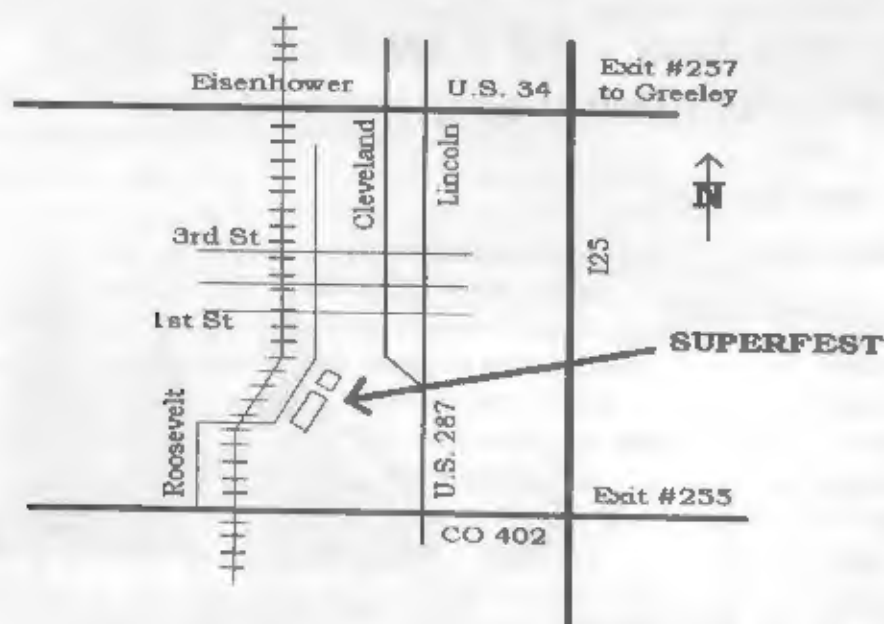
Steve Henry N7GN

Reservations are required prior to the fest on

Saturday

Call 970-226-2817

TEST AT 10:00 A.M.



Talkin 145.115 and 146.52 Simplex

General Information:

NCARC Recorded Information Line 970-352-5304

17th Annual MARC Campfest - Swapfest

August 29-30, 1998

*Fantastic Family Oriented Location
(with indoor plumbing!!)*

Location: Colorado Lions Camp:

4 miles north of Woodland Park on Hwy 67 North

Talk-in 146.82R

Dealers Welcome

FREE ADMISSION!!

Lions Snack Bar available.

(Sale of food or beverages by others is prohibited.)

Activities:

Swap, Trade, Barter, Ragchew

No alcohol permitted on premises!

Potluck Saturday at 5pm — All Welcome!! (Bring your own meat plus a potluck dish)

**** Barbeque grill available ****

Grand Prize Drawing Sunday at 11am (need not be present to win)

**GRAND PRIZE: IC-706 MkII Xcvr - HF + 6M + 2M All Mode
Includes FREE OPC-581 remote cable from ICOM**

Come and join us!
You'll relax and enjoy Colorado's
friendliest fest!



Remember!

**This is Colorado High Country -
come prepared for weather.**

**\$10 per space daily to camp and/or sell.
You may arrive to setup/camp on Friday (8/28) after 2pm.**

Mountain Amateur Radio Club

Camping? Seiling? Advance reservations requested. Contact: Don (AAØNW) at (719) 687-3692
or mail reservations to: MARC, P.O. Box 1012, Woodland Park, CO 80866

PPRAA / Amateur Radio Fact Sheet

PPRAA Swapfest first Saturday in May of each year. Lots of good deals on used and some new equipment. If you're looking for bargains, this is a good place to look. The PPRAA swapfest is one of about a dozen swapfests that occur each year along the Front Range.

PPRAA Picnic (each August) Just another get-together, but usually with a small tailgate swap. Plenty of good food and friends.

MARC Mountain Swap and Campfest. Each year the Mountain Amateur Radio Club puts on a free hamfest combined with a campout in the Woodland Park area. Their next one is coming up in August. Get on their repeater in Woodland Park and ask around. It's a fairly small group and most anyone up there should be able to answer your questions.

SAREX/Mir It seems not a day goes by without a mention of some space activity. Did you know that most of the astronauts are also amateur radio operators, and they love to talk to amateurs on Earth? You should look into SAREX, the Shuttle Amateur Radio EXperiment. The PPRAA is working with one school now to help them set up their own SAREX station. Contact the ARRL for more information about SAREX and the PPRAA for more info on the local activities.

Some Other Sources of Information and Points of Contact

American Radio Relay League, Inc., 225 Main St, Newington, CT 06111 (860) 594-0200 (800)-32-NEWHAM Visit ARRL Website at www.arrl.org

ARRL Director: Colorado Section Manager: Tim Amagost, (303) 795-9683 tarnagost@aol.com

Asst Section Manager: Jeff Ryan, Jeff.Ryan@aol.com

ARRL VE Testing POC in Colorado Springs: Erik Muehle, (719) 596-5345 muehle@rml.net

For information on Colorado Ham Radio Clubs contact Ron Deutsch, NK0P (719) 593-8352 deutschra@aol.com

Radio Amateur Satellite Corporation, PO Box 27, Washington DC 20044 (301) 589-6062

AMSAT is a nonprofit corporation that is primarily responsible for getting the amateur radio satellites launched, and for supporting their operations. AMSAT also works with NASA and the ARRL to set up prearranged contacts between school students and astronauts in orbit. This is a great educational program. AMSAT also works with others to teach about satellites in orbit and to provide software and techniques for communicating via satellite.

Some Web Sites of Interest

Aside from the web sites mentioned in the text of the radio clubs on the first page, here are some other web sites of interest. Keep in mind that there are literally *thousands* of amateur radio web sites and there's no way I can list them all. This'll get you started!

<http://www.qsl.net/ppraa/>

This is the web site of the Pikes Peak Radio Amateur Association with links to many other sites.

<http://www.xmcd.com/hamradio/hamradio.html>

This web site has many links to clubs and activities in Colorado as well as other aspects of amateur radio.

<http://www.arrl.org/>

The American Radio Relay League is one of the largest organizations in the United States dedicated completely to amateur radio. From technical help to legal aid dealing with city and county laws governing antenna installations, to bulletins about what's happening with amateur radio in space, you'll find it here.

<http://www.qsl.net/>

This web site is really a domain for many amateur radio web sites. Click on the index link and you'll find all sorts of web pages from amateurs around the world, displaying what they consider to be their favorite parts of the hobby.

<http://www.arnewaline.org/>

Newaline is an organization that published a weekly audio newletter that can be heard over many amateur radio frequencies. In Colorado Springs, you can hear it by listening to 146.97 at 8:30 pm on Sundays. The newletter is a summary of pertinent amateur radio news from around the world.

<http://www.iax.net/ares/ares.htm>

This site is intended to inform amateurs of activities related to public service and emergency communications in Colorado. For each district in Colorado (there are 29) there is a web page with points of contact and other pertinent information. El Paso County is in District 14. There's a net on Tuesday nights at 1900 on the 146.97 PPFMA repeater.

<http://www.qrz.com/>

QRZ is a company that publishes a CD-ROM full of amateur radio software, and a CD-ROM containing the entire FCC amateur license data base so you can look up the call signs that you hear on the air. Also at this web site is a lookup page where you can look up one or more call signs on line, including brand new licenses! It's very handy when you've got web access.

Some Things to Listen to in Colorado Springs

10-meter Roundtable net: 28.385 MHz, about 1930 DST Sunday.

Cheyenne Mountain Repeater Group Information net: 147.345+ repeater, 2100 Thursday.

Colorado Repeater Association net: 147.225 or 145.16 repeater, 0900 Sunday.

Elmer Net: 146.970 repeater, 1930 Monday.

El Paso County RACES net: 147.345 repeater, 1930 Tuesday.

Pikes Peak Amateur Radio Emergency Service net: 146.970- repeater, 1900 Tuesday.

Pikes Peak FM Association net: 146.970- repeater, 2100 DST Sunday.

Southern Colorado Traffic Net: 146.970 repeater, 2000 daily.

VHF ARES Net: 144.220 SSB, 1900 Mondays

Rocky Mountain VHF+: 144.220 2000 Mondays

Six Meter round table 50.150 SSB 1900 Thursdays

RACES HF Net 1915 approx. 3.990.5 LSB Sundays

Swampnet 3.945 LSB 0800 Sundays

How Can I Find Out My New Call Sign or the Status of My License?

Not too long ago, the FCC was in the dark ages as far as telecommunications was concerned. You got your license when it came in the mail, and that was that. Now, in a more modern FCC era, you can learn of your new call sign via several other means: namely the Internet and a toll-free phone number. Via the internet:

http://www.fcc.gov/new_home.html: This web site changes daily, providing you with a daily list of all FCC amateur transactions. If your new call sign was issued yesterday, it's on this list today.

<http://www.fcc.gov/cgi-bin/webcall>: This web site is an on-line data base, indexed by call sign and name. If you know someone's call sign you can find their name and address. If you know someone's name you can find their call sign and address.

If you don't have web access, You can call the FCC on their toll-free phone numbers: 1-888-225-5322 or 800-322-1117, or call the ARRL at 860-594-0300.



PPRAA / Amateur Radio Fact Sheet

This information will help you discover many activities which take place every day in the world of amateur radio, right here in Colorado Springs. Suffice it to say that not everything is happening all the time, but there's something going on all the time. And, this only touches the surface of amateur radio. To *really* get to know what's happening, though, you need to get on the air and talk to as many people as you can. There are so many different things to do - DX, satellites, amateur TV, public service - that these topics can't possibly be covered in this short space. *This information sheet is provided compliments of the Pikes Peak Radio Amateur Association, Inc. PO Box 16521 Colorado Springs, CO 80935*

Some Clubs and Organizations around Colorado Springs

The **Pikes Peak Radio Amateur Association** is the oldest Amateur Radio Club in Colorado Springs and the only club in town to have monthly meetings and to publish a monthly amateur radio newsletter. The PPRAA is a non-profit public service organization. PPRAA is an ARRL affiliated Special Service Club. For a complimentary copy of our newsletter contact our publicity chairman, Ron Deutsch, NK0P at 593-8352 or e-mail rdeutsch@aol.com. The PPRAA does not sponsor a repeater. At each meeting there is usually a program related to amateur radio. Examples of past programs include talks of operating from Cuba, lightning, show-and-tell about homebrew equipment and antennas, and a discussion of the latest amateur radio satellite to be launched in orbit. The PPRAA also sponsors ham classes, license testing, hosts an annual picnic, sponsors hidden transmitter hunts, provides elmers for new and old hams alike, sponsors monthly group activities, participates in numerous public service events and hosts an annual swapfest. Meetings are held the 2nd Wednesday of each month at the Mt Calvary Lutheran Church, 1318 N Circle, at 7 pm. Contact Les Borni (KC0NC) via e-mail at ka0no@kktv.com or via US mail at PO Box 16521, Colorado Springs, CO 80935-6521. Visit their web site at <http://www.qsl.net/ppraa/> or send e-mail to ppraa@qsl.net.

Cheyenne Mountain Repeater Group operates several repeaters in the area, and is currently working to provide linked repeaters to cover a good part of SW Colorado, including a link into another repeater system whose coverage includes much of New Mexico, Arizona and western Texas. Their repeaters on Cheyenne Mountain offer excellent coverage for Colorado Springs and most of El Paso County. Contact Dave Novotny (WA6IFT) at 599-8473 or via e-mail at Dave_Novotny@hp.com.

Colorado Connection is a nonprofit organization with no members, but which has at least 12 repeaters in a system that stretches from Rifle and Grand Junction to Limon and points east. It operates entirely on user support. Contact George DiLotto (KD0RW) via US mail at PO Box 22134, Denver, CO 80222. Or visit their web site at <http://www.rmad.com/hamradio/colorado>.

PPRAA conducts **ham license testing** on the 2nd Saturday of every even-numbered month, at 9 am at the Denver Technical College, 225 S Union Blvd. Contact Erik Mugale at 668-6345 for info. For testing information in other areas of Colorado, call the Mike High VE Team's 24-hour recorded message at 303-300-7203.

Colorado Repeater Association operates repeaters in Denver, Boulder and COS and is a busy system. During the day, the repeater (in Denver, 147.225; in COS 145.160) is open for anyone to chat with anyone. Most evenings, on-the-air nets provide information about AMSAT, scanners, public service, and a few other

topics. They also re-broadcast live space shuttle audio on their repeaters during space shuttle missions. Visit their web site at <http://www.rmad.com/hamradio/cra/index.html>. Or contact Dave Maciorowski (W1JHK) via e-mail at w1jhk@ix.netcom.com.

The **Colorado Springs Amateur Radio Association** is a relative newcomer to the area, forming in 1992. It operates several repeaters in COS. It's unique in that their repeaters are primarily local coverage repeaters, independent from the wide area repeaters also in the area. In addition, the CSARA provides autopatch and voice paging capabilities for its members. Contact Frank McNally (KF0WF) at PO Box 9194, Colorado Springs, CO 80932 or via e-mail at warm.fusny@bigfoot.com. Visit their web site at <http://www.csara.org/>. The CSARA has quarterly meetings, with the next meeting coming up on February 8, 1998 at 2 pm. Contact Frank McNally for details. Get on their repeater on 146.625 and call for Frank or Barb McNally, N0VBK.

Mountain Amateur Radio Club, in Woodland Park, operates the Teller Connection which covers all of Teller County with several repeaters, including one in Cripple Creek. The primary frequency is 146.820. You can hear their repeaters from Colorado Springs. MARC operates repeaters and holds a monthly meeting at the Senior Citizen's Center every 3rd Wednesday. MARC also sponsors an annual campout/swapfest each August. Contact Jeff Ward (N0WTW) via e-mail at n0wtw@aol.com or via phone at 687-6536.

The **Pikes Peak FM Association** operates several amateur radio repeaters in COS. These repeaters are used to support public service and emergency communications as well as for ragchewing. Their flagship repeaters (146.97 and 448.45, both with 100 Hz tones) located in the mountains have excellent coverage, providing communications to most of CO east of the Front Range, from Cheyenne WY to New Mexico. They also operate two lower altitude repeaters at 145.265 and 448.800, also 100 Hz access. Contact Fred Sontag (KA0WIE) via e-mail at ka0wie@juno.com or via US mail at PO Box 75712, Colorado Springs, CO 80970-5712. Visit their web site at <http://www.qsl.net/ppfma/>.

Public service, Skywarn. Amateur radio plays a bigger role in public service and emergency communications than most people know about. Here in COS, amateurs provide public service communications for many of the fund-raiser walks and bicycle rides, the Pikes Peak Hill Climb and a few others. Amateurs support the National Weather Service as their eyes during severe storm season, reporting severe weather and tornadoes. Amateurs also support the city and county during their exercises or real incidents. Contact Larry Dunn at 481-0369, via US mail (P.O. Box 1253, Monument, CO 80132) or e-mail (ldunn@divide.net) for information on Amateur Radio Emergency Service (ARES), or Bryan Carl, RACES Officer, at 575-8400, via US mail (c/o El Paso County OEM, 305 S. Union Blvd, Colorado Springs, CO 80910) or e-mail (bryan@nspax.com) for information on RACES.

Partial List of Some Interesting Frequencies to Monitor

145.130 Colorado Connection	145.160 CRA	145.265 PPFMA
145.555 Simplex	146.460 Simplex	146.520 Simplex
146.580 Simplex	146.625 CSARA	146.820 MARC
146.790 PHC	146.880 PHC	146.940 Denver
146.970 PPFMA	147.225 CRA	147.480 Simplex
446.000 Simplex	448.800 PPFMA	448.450 PPFMA
448.000 CMRG	448.100 CMRG	448.725 CSARA

CRA=Colorado Repeater Assn; PPFMA=Pikes Peak FM Assn; CSARA=Colorado Springs Amateur Radio Assn; MARC=Mountain Amateur Radio Club; PHC=Pueblo Ham Club; CMRG=Cheyenne Mtn Repeater Group

Some of the Places to Buy Amateur Radio or Related Equipment

Ham Radio Outlet (HRO), 8400 E Iliff Av, #9, Denver, CO. (303) 745-7373. HRO is the closest store that you can actually walk into and see working radios on display. It's worth going there at least once, even if it's just to look around.

Centennial Electronics, 2324 E Bijou (between Union and Circle), Colorado Springs, CO. (719) 636-4666. Centennial is an electronics wholesaler, with tools and electronic supplies. You can also find some electronics and amateur radio publications here.

OEM Parts, 3025 N Hancock (just N of Filmore), Colorado Springs, CO. (719) 635-0771. OEM is a place for tinkerers. Walk in and you're immediately overwhelmed with the vast collection of parts, part, and parts. Used and new parts. Parts from things that no one knows what they are. Parts that you have to know what you want 'cause no one else knows what they are.

Radio Shack. Many in most cities in the USA. Radio Shack recently re-entered the amateur radio market with their popular 2-meter and 440 MHz handheld transceivers. They also carry other receivers for short-wave and for scanning the public service bands. You can get electronic components or build small projects.

Some Amateur Radio Activities in COS

Field Day (last full weekend of June in each year) Lots of fun! Each year amateurs around the country exercise their skills to operate under less-than-ideal circumstances by setting up antennas and radios away from commercial power and sometimes away from civilization. One of 1997's Field Day took place in the mountains north of Woodland Park. Sometimes there are several groups in COS that get together for Field Day. For more information or to volunteer to participate contact any PPRAA member or write to the PO Box at the bottom of this page.

JOTA. Jamboree-On-The-Air is a Boy Scouts program where amateur radio operators work with scout packs and troops to get these young people talking to other Scouts in other parts of the country or world. Each October a weekend is set aside and amateurs get together with Scouts for a fun event. Contact the PPRAA or the Scout council in your neighborhood.

Pikes Peak Radio Amateur Association, Inc.



SWAPFEST
AMATEUR RADIO & COMPUTER



Saturday May 2, 1998

0800 to 1400 (Vendors 0600) VE Testing 1000

Colorado Springs

Doherty High School: 4515 Barnes Rd

(See Directions on Back)

General Admission \$4.00 (Under 18 Free)

Vendors: First Table \$12.00 Additional Tables \$10.00

Talk In **146.970** (100Hz CTCSS) or **146.520** simplex

Drawing !!! Prizes !!!

ALINCO DR-605TQ Dual-Band Mobile Transceiver
ALINCO DM-340MVT 30 amp 12 volt Power Supply
KH-600 HF Screwdriver Antenna
\$200 COMPUSA Gift Certificate
NEW \$100 Bill

Drawing at 1400 May 2, 1998 (Winners Need Not Be Present To Win)
ALSO: Hourly Door Prize Drawings (Winners Must Be Present To Win)

Raffle Tickets: \$1.00 each, 6 for \$5.00, 15 for \$10.00, 40 for \$20.00
65 for \$30.00, 90 for \$40.00, or 150 for \$50.00

Raffle License #98-0386
Pikes Peak Radio Amateur Association, Inc.
PO Box 16521, Colorado Springs, CO 80935

Tables

Dennis Major KBØSXC
PO Box 62343
Colo Springs, CO 80962
(719) 535-1160
kb0sxc@callsign.net

Raffle

Rob Roller N7LV
PO Box 16521
Colo Springs, CO 80935
(719) 282-0204
rollerr@usa.net

Publicity

Phil Pearsall KC5LXC
6490 Lange Drive
Colo Springs, CO 80918
(719) 531-5319
pearsall@msn.com

Miley's Radio

Jess, KØTAA

719 W. 7th St.

Florence, Colorado 81226

(719) 784-3040

All brands of new, used, and consignments.

We trade, and we give you
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Miley radio will be closed from Friday May 1st to
Tuesday May 12th for Colorado Springs hamfest
May 2nd and grandjunction May 9th Jess Miley

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Are you reading this ad?
Your prospective
customers are, too.

Membership Application - Pikes Peak Radio Amateur Association, Inc.

P.O. Box 16521, Colorado Springs, Colorado 80935

Date: _____ New Membership ☐ Renewal ☐

Name _____

Address _____

City _____ State _____ Zip _____

Call _____ License Class _____ Telephone _____

Email Address _____

Are you an ARRL member? Yes ☐ No ☐**One year membership rates. (Year starts with the month you receive your first issue.)**Full Member \$15.00 ☐ Family Membership (same address) \$18.00 ☐Over 65 \$12.00 ☐ Family Membership (both over 65) \$18.00 ☐Associate \$12.00 ☐ Newsletter only \$12.00 ☐

Additional Names: _____ Call _____ Class _____

Please Note: You must submit a completed application form along with your check to the Treasurer
for both new members as well as renewals. Thank you. PLEASE TYPE OR PRINT CLEARLY!